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ONE OR TWO BOARDERS ACcommodated in private home. Phone 9967.

Cars Leaving

CAR LEAVING FOR BOSTON Friday, April 8. Can accommodate three passengers. Phone 4920 after 4 o'clock.

Cars and Trucks For Sale

FOR SALE — 1939 FORD PANnel $75.00. Campbell's Garage Pownal Street.

FOR SALE — 1951 PONTIAC Coach. Excellent condition. Dial 9689.

FOR SALE — '41 PLYMOUTH parts, '37 Plymouth $35. Apply 158 Upper Prince.

NEW MORRIS $500. DOWN, $42. a month. 50 miles per gallon. MacKay Motors. Call 6448.

FOR SALE — 1951 PONTIAC AND 1951 Henry J. Sterling McKay. 59 St. Peters Road.

FOR SALE — 1949 STUDEBAKER two ton with hoist and box, two speed, rear axle. 1947 Ford, three ton hoist and box, $600.00, either truck. MacKay's Construction.

For Sale

FOR SALE — BABY'S LARGE size steel crib and mattress. Like new. Dial 3581.

FOR SALE—BALED HAY $15.00 a ton, not delivered. Vernon MacLennan, Alexandra.

FOR SALE — C. C. M. MAN'S bicycle. Excellent condition. $25.00. 310 Grafton, or Dial 6203.

FOR SALE — BUNGALOW. CENtral Royalty. Apply J. R. MacAskill. Phone 5937.

FOR SALE — COAT, TWO SILK dresses, size 12; other dresses. Dial 5389.

FOR SALE—HOLSTEIN GRADE male calf. Hammond Rodd, Winsloe.

FOR SALE — SEVERAL GOOD calves. Stan Parker, Fredericton.

FOR SALE — SEVEN ROOM house with large lot and garage, in good location in Kensington. Write Box 18, Kensington.

FOR SALE— 1 SILEX COFFEE maker, 3 pots, 1 french fry cutter, 1 hot water jacket suitable for heating small home or large hot water system. 25 Hillsboro Street.

FOR SALE—ALLIS CHALMERS C tractor, perfect condition. Equipped with cultivators, hillers, P.T.O. and pulley. 1 International 2 bottom plow used 3 years. Prices reasonable. Am leaving Province. R. S. West, Eldon.

FARM FOR SALE

AT MILTON

Thirty-three acres fronting on pavement with new barn. Apply:

MRS. ROBERT HOOPER

Farm For Sale

92 acres, 80 acres clear, balance wood and lumber, 18 miles from Charlottetown on paved highway. Electric pump, good buildings, reasonably priced for quick sale. Selling because of illness.

SAMUEL SILLIPHANT,
Brookfield.

FOR SALE

BY TENDER

Tenders will be received by the board of trustees for the old Carleton school building, size 22 x 52 ft. in good repair. Tenders close April 20th.

RAYMOND HARVEY,
Secretary.

For Sale

Used mill machinery, moulder, surface planers, and matcher, band saws, etc. Lumber 2 x 4 to 2 x 10, rough or finished. Matched boards. Place your orders now for early delivery.

WEEKS MILL
Elliotts

FOR SALE

1 acre land in Parkdale. Apply to:

G. DOUGLAS
Dial 4892

For Sale

FOR SALE — THREE MILK cans, 80 lbs. George MacNeill, Milton.

FOR SALE — HORSE 1100 LBS. Work anywhere. Another horse 11 years old. Stephen McQuaid, Bonshaw.

FOR SALE OR RENT — 6 ROOM bungalow and barn in good condition. 4½ miles from Kensington. Phone 95—3 or write Mrs. Keir Duggan, Kensington.

FOR SALE — OLIVER TRACtors and farm equipment, new idea manure spreaders, hay loaders, side delivery rakes, DeLaval separators, refrigerators, etc. McGowans Ltd., Kilmuir.

FOR SALE

Seven room house at Borden with all modern conveniences.

Apply:

W. CHESTER S. MacDONALD,
Summerside, P.E.I

Female Help Wanted

WANTED — MIDDLE AGED housekeeper for elderly lady. One interested in a good home. Box M, Guardian, Summerside.

WANTED — MIDDLE-AGED housekeeper for gentleman. References required. Good position for right party. Write H. K. Guardian.

WANTED — BY MAY 1ST, A capable cook. Good character references required. Protestant preferred. Good wages to right woman. Write Box 227, Guardian.

Lost & Found

LOST — FEMALE BOXER DOG, dark brown. Reward. Phone 3509 or write G. Racicot, 59 Longworth Ave.

Miscellaneous

GARDEN SEEDS! WRITE FOR catalogue. Arthur Vesey, York.

RADIO SERVICE. JACKIE Doyle. Dial 4305.

ELECTROLUX DEALER — SYDney J. Jeffrey. Phone 7038.

PAINTING AND DECORATING done. Town or country. Dial 8971.

DEMPSEY TRUCKING SERVICE. We haul, anything anywhere, anytime. Phone 6954.

DEPARTMENT OF PUBLIC WORKS & HIGHWAYS

Province of Prince Edward Island

Description of site of proposed Causeway across Vernon River in Vernon School District, Township No. 50, Queens County.

The site of the proposed Causeway may be described as follows:

COMMENCING AT A POINT on the centre line of the route of the Trans-Canada Highway leading from Charlottetown to Wood Islands, and being approximately seventeen (17) miles from the first mentioned location, said point of commencement being on the northern bank of Vernon River in the Village of Vernon;

THENCE on an astronomic bearing of 566° 34' E across the said Vernon River for a distance of six hundred (600) feet, more or less, to the southern bank thereof;

AND EMBRACING a width, at its widest point, of one hundred and five (105) feet on either side of the above described centre line.

The Causeway, as above described, is proposed to occupy the site of the present two-span Steel bridge and approaches now carrying the traffic at this point and is designed to accommodate the traffic in accordance with the Specifications of the Trans-Canada Highway for such structures.

Male Help Wanted

WANTED — MAN OR BOY FOR farm work, all modern machinery. Ivan Turner, Winsloe.

WANTED — MAN FOR FARM work. Write Albert Thomas, West Covehead or phone 2-6.

MAN WANTED — ARE YOU dissatisfied with your work? Would you like a business of your own? If so, write Rawleigh's Dept. D-470-GG, Montreal, P. Q.

STAMPS

WASTEPAPER? NOT WHEN millions of collectors spend tens of millions yearly for old stamps. Send 30c for a very interesting pamphlet dealing with subject of values. K. Bileski, Station "B", Winnipeg, Man.

To Let

FOR RENT—FURNISHED BEDroom. Dial 6365.

TO LET—4-ROOM APARTMENT Adults only. 272 Fitzroy. Call 6954.

ROOMS NEWLY DECORATED, heated, suitable for retired people. Dial 9988.

ROOMS FOR RENT. THREE bedrooms, may use kitchen stove, frigidaire and washing machine. 36 Grieber St. Phone 4888.

To Let

FOR RENT — APARTMENT, immediate possession, 72 Grafton Street. Apply 233 Queen Street.

Television

ELECTRONICS, TELEVISION, Radio Operating, Electrical Technology for high paid jobs with Govt., industry, service business. Free 40 page book shows how you can qualify. It has guided thousands to better pay and security — why not you? Send for your copy now. No obligation—no experience needed. Give age and last grade of high school. Write Radio College of Canada, 86 Bathurst St., Toronto, Est'd. 27 years.

Tenders

CALL FOR TENDERS
REFRESHMENT BOOTH CONCESSION
AT STANHOPE BEACH
PRINCE EDWARD ISLAND NATIONAL PARK

SEALED TENDERS addressed to the Chief, National Parks and Historic Sites Division, National Parks Branch, Department of Northern Affairs and National Resources, Ottawa, will be received up to noon on MONDAY, APRIL 18, 1955 for the privilege of operating a refreshment booth concession at Stanhope Beach in Prince Edward Island National Park. Tenders should be offered on the basis of the annual rental which the applicant is prepared to pay and any tender in an amount less than $300 will not be considered. In submitting the tender, the envelope enclosing same should be endorsed "Tender for Refreshment Booth Concession at Stanhope Beach." The highest or any tender will not necessarily be accepted.

Particulars concerning the facilities to be made available, conditions to be complied with, including the supplying of equipment, terms of Licence of Occupation to be issued to the successful applicant, and the basis on which the award of the concession will be made may be obtained from the Superintendent, Prince Edward Island National Park.

J. R. B. COLEMAN,
Chief.

Ottawa, April 4, 1955.
National Parks and Historic Sites, Service,
National Parks Branch,
Department of Northern Affairs and
National Resources.

CALL FOR TENDERS
REFRESHMENT BOOTH CONCESSION
AT CAVENDISH BEACH
PRINCE EDWARD ISLAND NATIONAL PARK

SEALED TENDERS addressed to the Chief, National Parks and Historic Sites Division, National Parks Branch, Department of Northern Affairs and National Resources, Ottawa, will be received up to noon on Monday, April 18, 1955 for the privilege of operating a refreshment booth concession at Cavendish Beach in Prince Edward Island National Park. Tenders should be offered on the basis of the annual rental which the aplicant is prepared to pay and any tender in an amount less than $350 will not be considered. In submitting the tender, the envelop enclosing same should be endorsed "Tender for Refreshment Booth Concession at Cavendish Beach." The highest or any tender will not necessarily be accepted.

Particulars concerning the facilities to be made available, conditions to be complied with, including the supplying of equipment, terms of Licence of Occupation to be issued to the successful applicant, and the basis on which the award of the concession will be made may be obtained from the Superintendent, Prince Edward Island National Park.

J. R. B. COLEMAN,
Chief.

Ottawa, March 28, 1955.
National Parks and Historic Sites, Service,
National Parks Branch,
Department of Northern Affairs and
National Resources.

Wanted

WANTED—25 FEEDER CATTLE. Gordon Weeks, Hunter River.

WANTED — CARS FOR TAXI service. Apply Yellow Cab.

WANTED — FEED TURNIPS OR mangels. J. Scott Cairns, Freetown. Phone Bedeque, 19-5.

WANTED — ALE BOTTLES. Pints or quarts. Dial 8595. Michael Bros.

RELIABLE FAMILY, HUSBAND regularly employed, wish to rent house with electricity and large garden or land just outside city by May 1st. Box W.S. Guardian.

Wanted

3 bedroom house or apartment in Charlottetown by May 1st. Phone 3186 or write box 401.

MARKETS and FINANCE

U.S. Steel

CLEVELAND (AP)—Steel Magazine predicts today that the United States' current steel output—at 95 per cent of rated capacity—is the highest expectable for the year.

The metalworking weekly says manufacturers would have to use marginal facilities above that level. They would be used only in an emergency or when there is an assured long-time capacity, conditions which do not exist at present.

Current demand is centred in the light, flat-rolled products, principally cold-rolled carbon sheets, the magazine says.

"Demand for cold-rolled sheets probably will get no stronger, may subside. The largest user of them—the automobile industry—is likely at its production peak. Its needs for the last half of this year should be less than for the first half.

"That should take some of the pressure off the light, flat-rolled products, particularly cold-rolled carbon sheets."

Steel says that not only should the automobile industry need less then, but so should other consumers, taking time out for summer vacations.

Steel reports the steel-ingot production rate quit climbing for the first time this year—steady at 95 per cent of rated capacity. Steel's finished-steel price composite was firm at $118.23 a net ton, and its scrap price composite $37.41 a gross ton, down frfom the preceding week's $37.75.

N. Y. Stocks

NEW YORK (AP)—The stock market went through an inconclusive series of sessions last week.

Results showed a slight net loss for the week. But that could not be taken at face value as an index of performance.

The market kicked ahead strongly Friday just before the close. The rally had enough force to put Wall street in a bullish frame of mind for the weekend.

Background for last week's market is easily explained. A month ago it was at a historic high.

Then it dropped sharply in a major reaction last six days. For the next two weeks it recovered almost as completely as it had fallen.

The rise halted just short of the old highs. Last week the market was timid—until the final 30 minutes of the final day when it raced upward.

The Associated Press average of 60 stocks lost 20 cents on the week and closed at $160.00. That is only $2.60 under the peak established March 4.

Atomic stocks were in the forefront—avidly sought at higher and higher prices. Profit-taking finally caught up with some favorites, which slipped quickly.

Wide swings of these stocks created nervousness and brokers said that was a factor in the sharp break Wednesday.

The boost of three cents a pound in copper sent coppers scooting ahead. Steel production boomed and railroad freight traffic accelerated.

Brokers felt the recovery was only taking a breather and they could find no fundamental weakness in the market's base.

The five most active issues on the New York exchange were Baldwin-Lima-Hamilton up 3¾ at 21; Avco Mfg. up ⅞ at 7¾; General Dynamics up 4⅛ at 76⅝; International Telephone up 2⅜ at 28½, and American Bosch up 2 at 21¼.

The five most active on the American exchange were Sterling Precision Instrument up ⅞ at 8½; Central Explorers up ⅛ at 7; Barium Steel up ⅜ at 6⅜; Webb and Knapp off ¼ at 2¼, and New British Dominion Oils up 5-16 at 3.

Canadian issues were mixed. Dome Mines gained one point, International Nickel was ahead ⅜, Hiram Walker added ¾ and McIntyre was up 1⅞. Distillers Seagram was off ⅛ and Canadian Pacific slipped ½.

Giant Yellowknife dropped ⅜ on the American exchange and Royalite Oil was off ⅛. Lake Shore remained unchanged.

4 Dollar-a-Year Men Left

OTTAWA, (CP) — The defence production department, which at one time had about 200 dollar-a-year men on its staff, now is down to four.

This was shown in the annual report of the department tabled in the Commons Wednesday. Dollar-a-year men are high ranking industrialists on loan to the government to advise on defence production problems. Their salaries are paid by their private employers and the government pays their expenses plus $1 a year while they are in Ottawa.

Their number reached more than 200 in November, 1952, at the peak of actvity during the Korean war. During the Second World War, officials said, the total was never more than about 200 at one time, although more may have worked with the department at different periods in a single year.

The four remaining $1-a-year men are:

Albert Brewer Hunt, 52, general manager of the Communications equipment division of Northern Eectric Company Ltd., Montreal.

James Louis Hickey, 48, purchasing agent with Canada Steamship Lines, Montreal.

Ignatius Neary, 52, manager of the production maintenance division of Addison Industries Ltd., Toronto.

Robert M. Robertson, 60, engineer Dominion Bridge Co. Ltd. Lachine, Que.

YOUR BEST MARKET FOR

Iron and Steel Scrap,
per (2000 lb. Ton $13.00
Car Batteries, each 1.50
Cow Hides, per pound .... .05½

Bring in your lead, car rads, brass, copper, rope, beer bottles, horse hair. You will receive highest cash prices.

Truck scale weighing for your convenience.

Centrally located opposite Eaton's Store, on Kent Street.

Maurice Block & Co.

Dial 9522 - Charlottetown

Tuesday's Budget May Favor Consumer Interests

OTTAWA, (CP) —Finance Minister Harris likely will unveil a "consumers" budget Tuesday night, snipping federal levies in several areas but more particularly in the fields of excise and personal income taxes.

The 1955-56 budget, it is understood, will be aimed at stimulating the economy by boosting purchasing power in the hands of taxpayers and aiding business men to reduce prices and possibly increase sales of a batch of factory-produced products.

Tax cuts, in the personal income and excise tax fields, may total about $150,000,000 —roughly equivalent to the officially forecast drop in the government's spending for the fiscal year which opened today.

The tax reduction on personal income likely will amount to about $60,000,000 and the reductions in exvcise taxes about $90,000,000. On the basis of collections in the fiscal year just ended, the personal income tax reduction would amount to about five per cent of the $1,200,000,00 collected in this field.

In addition, Mr. Harris in all probability will announce:

1. A tariff for the first time on polyethylene, a basic plastic material, in wide use in Canada particularly in the production of transparent food wrappers. The item has been allowed in duty-free, but a newly-dweveloped Canadian industry has demanded imposition of a 20-percent tariff as protection against imports

2. A deficit in the government's 1954-55 accounts of about $130,000,000, roughly about three per cent of the budget and the first deficit in post-war years.

Mapping out of the 1955-56 budget — Mr. Harris' first— has as usual been conducted in utmost secrecy. But informants disclosed that planning was developed in a general atmosphere that Canada is recovering from the economy recession of 1954 and that the gross national product — value of all goods and services produced—will rise by $1,000,000,000 or more in 1955.

That would give Canada a record GNP of at least $25,000,000,000, widening the field of potential tax yields and giving Mr. Harris a lot of elbow room in planning tax changes and reductions.

The previous GNP high was $24,400,000,000 in 1953. It dropped last year mostly because of a prairie crop failure.

In all likelihood Mr. Harris will be trying for a balanced budget in 1955-56, though it appears possible that if economic forecasts do not hold true he will have another deficit.

Despite rosy predictions for 1955, there still is considerable unemployment in Canada. The feeling among those assisting in preparation of the budget is that the best way limited tax cuts can aid in stimulating the economy and increasing employment is to encourage greater purchases of factory goods.

Helping to stimulate sales, too — they believe — would be reduction in existing excise taxes. There has been speculation that Mr. Harris will reduce by one-third the 15-per-cent levy on automobiles and that there will be other cuts in the 10-per-cent levy on tires and tubes and other items.

Spruce Budworm Battle Still Being Continued

FREDERICTON (CP)—A leader in New Brunswick's annual battle with the spruce budworm says the efforts so far have been "eminently successful" in protecting one of eastern Canada's most important pulpwood areas from its worst enemy.

Dr. R. E. Balch, federal entomologist here, told a legislature committee he could not forecast when the epidemic would end. There was some evidence it may have passed its peak.

When weather conditions permit in late May or early June, another 1,100,000 acres will be sprayed in widely scattered sections of six counties—Carleton, Victoria, Madawaska, Restigouche, Northumberland and York.

STARTED IN 1951

Aerial spraying of infected forests began in 1951 on a limited scale. The all-out fight started in 1952, directed by Forest Protection, Ltd. Costs of the annual undertaking, expected to be under $1,000,000 this year, are shared on a three-way basis by the federal and provincial governments and four pulp and paper companies.

A previous budworm outbreak lasted less than 10 years, but Ontario has had longer epidemics and with the insects still rampant in New Brunswick no one can predict when the menace will end.

Study of the budworms started in 1944, when the insects were scarce. The outbreak struck four years later, subsequently spreading across 13,000 square miles of northern New Brunswick timberland.

Cost of the program per acre in 1962 was $3.30. It dropped to $1.40 in 1953 and $1.10 last year, largely because of improved techniques and the fact no new flying fields were necessary in the wilderness.

BIG SAVING

Now, with the spraying of 3,000,000 acres possible for less than $1 an acre, this would represent a saving of $240,000,000 in pulpwood alone. The average acre yields eight cords of pulpwood worth about $10 a cord in its rough form. Value of finished products vaults potential savings into the billions.

Officials reported the insect kill was high in 1954 and although a bit under that of the previous year it saved the highest proportion yet of foliage. Operations over three years indicated trees were protected for one to three years after spraying. After that another dose might be necessary if the epidemic continued.

Dr. Balch said effects of the DDT spray on salmon won't be reflected until four to six years. Biological researchers believed that aquatic insects, on which young salmon feed, were so extensively killed by the spray that it might take some years to reach former levels of salmon population.

STUDEBAKER AUTO PARTS 50% OFF

Because we are offering our property for sale we must clear out our stock rooms.

Over $5000 worth of genuine Studebaker auto and truck parts going at half price.

Also at special reduced prices:
One 1948 Dodge Coupe
One 1950 ½ ton Studebaker Truck
One 1951 ½ ton Studebaker Truck

ESTATE OF T. G. IVES
Phone 6721 219 Great George Street
Charlottetown

AUCTION SALF

ON MONDAY, APRIL 4, 2 O'CLOCK
AT 125-127 KENT STREET

Some valuable articles of furniture: Sideboards (oak and mahogany), tables, antique chairs and rockers, full length and wall mirrors, child's crib, desks, etc. Round mahogany dining table and chairs, assorted hall tables in mahogany and walnut, assorted rockers and chairs (wicker), antique sofas, single beds, electric ranges, Hoover vacuum cleaner, washing machine, etc.

Also a special: 1 New Lazy-boy Chair with stool.

J. J. MUSTARD,
Auctioneer.

BABY CHICKS

Now is the time to place your order for April and May chicks if you plan on taking advantage of the general "lower chick sales trend" so far this year.

April chicks limited but we still have a fair quantity available for May delivery,

Special price on Cockerels throughout April.

Besides the RxH and HxR crossbreds we have a special egg producing cross this year, namely Leghorn x Barred Rock cross. These chicks grow fast and make quiet layers with a bodyweight of over 5 lbs.

Be sure of your chicks by ordering now.

MacDONALD'S HATCHERY,
Covehead Road, P.E.I.

Timely Notes On Fur Farming

Below will be found Part 2 of Dr. Gunn's valuable article on mink and its mutations. We would advise our mink breeders to clip these articles and file them for future use. Since publishing the first part we have had several comments from top breeders who said it was something they had wanted for years and they were greatly indebted to Dr. Gunn for going to so much trouble to furnish them with information that would prove invaluable in the future.

GENETICS OF MUTANT MINK

Part 2 by C. K. Gunn

DOMINANT - RECESSIVE BLEND

Another method used to obtain blended types of mink is known as a "backcross". It is important to the mink rancher who wishes to blend a dominant with a recessive mutant type mink. These are referred to as "dominant-recessive blends". For example, it is used in the production of Breath-of-Spring mink, of which the crosses are shown below as a typical example of the production of a dominant-recessive blend.

There are two steps in such a blending operation. The first consists of the mating of dominant and recessive mutant types together; the second in the mating of the dihybrid progeny from the first cross, back to the double recessive parent.

In the production of the "Breath-of-Spring" mink, the dominant mutant is the Blufrost which is crossed with a recessive mutant type, similar to the Platinum, as shown in the following examples.

A cross of Blufrost with Platinum gives the following percentage probabilities:

50% Blufrost (dihybrids)
50% Standard Dark (Silverblu carriers)

The Breath-of-Spring is produced by mating the dihybrid of the two mutant types back to the Silberblu or double recessive type. The following percentage probabilities result among the progeny.

A cross of Platinum with Blufrost (carrier of Platinum) gives the following percentage probabilities:

25% Blue frost (carriers of Platinum)
25% Breath-of-Spring
25% Standard Dark (carriers of Platinum)
25% Platinum.

Note: Whenever dominant and recessive mutant types are blended together in a so-called dominant-recessive blend, the manner of genetical reasoning and the two steps in mating required to produce the new type blended mink Breath-of-Spring are as above.

White Mink

Certain difficulties are encountered in the production of commercially desirable white pelts in mink. These are:

(1) Poor production associated with partial sterility in some white strains (those having the Stewart, Kohinur and Blufrost factors).

(2) Black colored spots on irregular patches of dark guard hairs in some genetic types (Homozygous-Kohinur, dihybrid-Blufrost, and Albino Genotypes).

(3) Creamy or yellow colored pelts and smudged noses and tails in Albino recessive strains.

(4) Deafness in Hedlund and some Albino White recessive strains.

From breeding information on the above genetical types of white mink, it would appear that possibly the best types and combinations to raise to obtain maximum whiteness of pelts (i.e. in extent of white fur free from black spots, smudges or scattered black guard hairs and yellow cast in the fur) may be obtained from the following strains of mink: (1) Albino-Pastel, (2) Kohinur-Albino blend, (3) Hedlund White (recessive) mink.

The Albino-Pastel double recessive blend would seem to offer mink ranchers the easiest type of uniformly good white mink from which to produce large numbers of identical pelts with the least diffculty from genetical defects such as sterility and deafness, and with good production of healthy large litters. This Albino-Pastel blend is produced in a simflar manner to Sapphires. The Kohinur-Albino (dominant-recessive) blend is analgous to the production of Breath-of-Spring.

Description of Mutant Types and Blends

Palominos

The Canadian type is a recessive mutation, while the Minnesota type is a double recessive blend of Palomino-Pastel or Palomino, carrier of Pastel. These are yellowish colored mutant types. Some specimens approach an orange shade and the latter are considered commercially as undesirable. However, the colors of Palominos are said to improve with tanning.

Pearls

This is the triple recessive blend of Palomino and Sapphire. It is a soft bluish colored fur with an overcast of beige or buff. This genetical type of mink occurs once in 64 among the progeny of trihybrid x trihybrid crosses, of which the trihybrids are from Silverblu, Aleutian and Palomino mutant types. Pearls may also be produced by crossing the trihybrids back to Sapphires and breeding the Sapphires in the litter together which gives a probability for obtaining Pearls of over five times that of mating trihybrids together. From the cross of such trihybrids other double recessive blends also occur among the progeny. These are: Sapphires, Erics and Platinum Blonds.

Buff Mink

There are several types of Buffs, of which one results from a double recessive blend of Amber-gold and Silverblu and Amber-gold with Blue Iris. Other mutant Buff mink have been found to occur among Minnesota wild mink and sometimes these mink are referred to as "Rose" mink. The latter is a single recessive mutant type. The fur is generally the result of Buff or Beige colored guard fur superimposed over a pale bluish underfur. These mink in the lighter phases are commercially very promising.

Blue Iris is possibly a double recessive blend of Platinum (Steelblu or Silverblu) and Aleutian, and an Iris factor, which from present knowledge, would seem to be allelic with the Platinum factor, but of itself cannot produce a distinct mutant color type. Blue Iris mink have a very blue fur, similar to a pale Aleutian or dark Sapphire type and relatively free of cast. It has commercially desirable purple distinguishing it from the Aleutian type and it is said to be a relatively healthy strain of mink, not affected as much as some other blends by the presence of the Aleutian factor.

Royal Ruby-eyed — Pastel is the double recessive blend of Green-eyed Pastel and Royal Pastel. The pelt is known as "Topaz" and is particularly attractive when it is Stewart marked giving rise to the lighter colored pelts. These mink have a poor production record which is thought to be associated, with the Green-eyed Pastel factor present in their genetic constitution, because it is known that it is difficult to obtain good production with Green-eyed Pastels.

Ungava Ruby-eyed Pastel is the double recessive blend of Ungava and Green-eyed Pastels. It has a clearer and a considerably lighter colored fur than the Ruby-eyed Pastel and is a better breeder than the Royal Ruby-eyed Pastel.

Triple-blend Pastel is a triple recessive of Royal, Ungava and Green-eyed Pastels. It has a light soft colored pelt, lighter than the Ruby-eyed double recessives. The addition of Ungava Pastel heredity may further overcome the weakness in reproduction caused by the presence of the Green-eyed factor in the double recessives.

Herman-Pastel is a Black-eyed Pastel, double recessive of Ungava and Royal Pastels, which has a very desirable appearing light brown fur with an olive shade (something like a Stewart marked Pastel) simulating wild type mink fur. It is free from the weakening effects of the factors associated with the Green-eyed Pastel and accordingly, they are good breeders. The light shades are commercially in demand.

Winterblu is the triple recessive of Silverblu, Aleutian and Royal Pastel, obtained by breeding Sapphire to Royal Pastel and then via the trihybrids bred back to Sapphire to obtain Sapphire carriers of the Pastel. The latter, when bred together, greatly increase (over five times) the probability for obtaining the triple recessive over that of mating trihybrids together, which is one among sixty-four. This mink has a very soft, pale bluish color, somewhat similar to homozygous Stewarts. Clear uniform shading of these pelts is desirable, that is, free from any variation in shading or color density in different areas of the skin. This triple blend is commercially in demand.

Soclat is the Finnish mutant brown Pastel. It is light brown Pastel mink.

Finlandia Topaz is the double recessive of Royal and Soclat Pastels. It is a very clear, light Pastel.

WHITE MINK (Recessive Mutations)

(a) Hedlund White is a strain of Black-eyed recessive white mink of a clear (bluish) white type similar to dominant whites. It is free of black patches and black guard fur hairs common in dominant types. White mink of this strain breed true, producing all white offspring. If this strain is crossed with (standard) dark mink, the progeny are 50% white and 50% dark mink. The latter (hybrids), however, usually show an increased amount of white markings on the belly, sides and face. These white mink are relatively tame, but are sporadic breeders and the females frequently do not look after their young. These defects are thought to result from "deafness" in this mutant type. The pelts are commercially in demand.

(b) Albino White is a strain of mink which are of the Himalayan Albino type. That is, they frequently have smudges of pigmented fur on their extremities (nose and tail) and accordingly, their pellage is not all white. Although these Albino mink produce white mink of their kind in litters, the white color is not a blue or pure white and it tends to develop a yellowish cast which makes it undesirable as a commercial fur. This strain, like the Hedlund White strain, also show indications of deafness and they are not particularly good breeders. They have been crossed with other recessive and dominant types of mink with considerable success in the production of double recessive and dominant recessive blends of white. The pelts are not in demand, owing to yellowish cast and smudges.

The homozygous type of the Kohinur mink produces a pelt which is predominantly white (95%) with spots of black guard fur hairs usually at the nape of the neck or just above the root of the tail. Occasionally, the dark hairs are scattered along the middle line of the back of the mink. A very similar type of mink is produced by crossing the above Kohinur type with Blufrost to produce a dihybrid, which is also about 95% white.

Both of the above dominant white types have clear blue white fur which is in good demand on the fur market. However, there are too many spotted animals in the litters and other genotypes (Black Cross) which are undesirable pelt types. Further, the Blufrost mutant type in the homozygous state is a lethal condition and, accordingly, there is frequently a marked reduction (25%) in litter size on this account.

The above defects added to the fact that dominant white mink are poor breeders, make it difficult for the rancher to obtain adequate financial returns from dominant white mink.

MARKET DEMAND

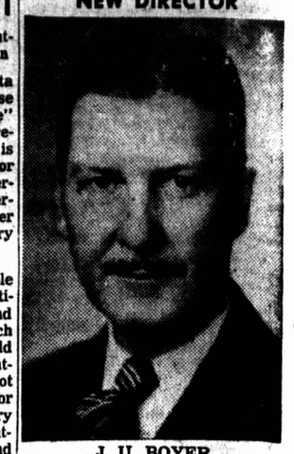
The trend in mink ranching in relation to mutant mink types and blends is as is as follows:

(1) Blue Mutant Types — Sapphires, Winterblu, Aleutian and Iris are in strong demand. B.O.S., Sapphire, Sapphire and Winterblu are the choice for light blue fur, especially the lighter color phases. Blue Iris with its paler, purplish colored pelt is taking priority over the darker shades of Aleutians.

(2) Brown Mutant Types — the pale and extra pale shades are chiefy in demand, such as the double recessive bends, Ruby-eyed, Herman and Stewart marked types.

(3) Beige Mutant Types — in the extra pale types, Stewart (Homo), Pearl, Buff and Stewart marked types, are in demand. Yellow or orange color in the Buffs or Palominos is undesirable.

CROWN LIFE ELECTS NEW DIRECTOR



J. U. BOYER

Montreal, has been elected a Director of the Crown Life Insurance Company. Mr. Boyer is Vice-President and General Manager of the Provincial Bank of Canada and Honorary President of the Canadian Bankers' Association.

S. A. Government Takes Over Schools

JOHANNESBURG, (AP)—South Africa's nationalist government takes over most of the country's missionary schools Friday. Protestant and Roman Catholic church groups have assailed the move as a further step toward racial segregation.

The mission schools, bolstered by government subsidies, have educated colored mixed blood children for more than a century. Under the new law, financial aid will be cut and the administration of the schools will come under Dr. H. F. Verwoerd's ministry of native affairs. The Roman Catholics are trying to keep their schools going by means of subscriptions among members.

The Rand Daily Mail criticized the government's action and suggested it is to "prevent the native from learning." It adds:

"No minister and no government has ever succeeded in doing that."

Colored and white children never were taught together in mission schools. Critics of the new scheme claim, however, its aim is to educate the colored children to fill a role as "second-class citizens."

Largest Ammonia Plant Planned

OTTAWA (CP) — The largest ammonia plant of its kind in Canada, costing between $7,000,000 and $9,000,000, is to be established at Millhaven, just west of Kingston, it was announced Saturday.

Harry D. Callan, secretary-treasurer of the Eastern Ontario Development Association, said its construction will begin within a few months. It will produce 66,000 tons of ammonia annually, to be used by Canadian Industries, Ltd., in the production of explosives and fertilizer.

Results of Smog Probe Announced

LOS ANGELES (AP)— A $300,000 investigation into the dark and smelly scourge of smog has disclosed:

1. That smog is man-made.
2. That it can be attributed to industry, autos and incinerators.
3. That it can be capricious, causing eye irritation in one district and plant damage—but not eye irritation—in another a few miles away.

Dr. Louren B. Hitchcock, president of the Air Pollution Foundation, briefed reporters Friday on his group's survey of smog last summer in the Los Angeles basin.

He ticked off sources contributing pollutants of Los Angeles smog and the percentage of contribution as follows:

Industry: 50 per cent
Motor vehicles: 40 per cent
Incinerators: 10 per cent.